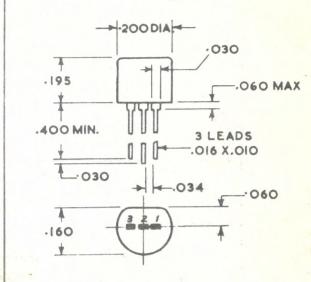
AMALGAMATED WIRELESS VALVE CO. PTY. LTD.



AS147

DIMENSIONAL OUTLINE

The AS147 is an n-p-n silicon planar epitaxial transistor in an epoxy package for general purpose use in audio and switching circuits.

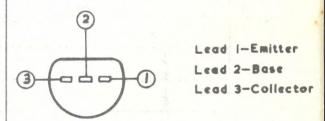


Dimensions in Inches

ABSOLUTE MAXIMUM RATINGS

Collector-base voltage = 45 volts
Collector-emitter voltage = 45 volts
Emitter-base voltage = 5 volts
Emitter current = 100mA

TERMINAL DIAGRAM



THERMAL RATINGS

Dissipation in an ambient temperature up to 25°C ---- 300mW max. Derate linearly to zero at 135°C .

During soldering lead temperature must not exceed 255°C for 10 secs. max. within 1/16" of can.

Storage temperature -25° C to 135° C.

PARAMETER	CONDITIONS		MIN.	TYP.	MAX.	UNITS
I _{CBO}	V _{CB} = 20V				15	nA
EBO	V _{EB} = 5V	PRINCIS C	9	19 8	100	μА
VEBF	V _{CB} = 45V	ant point and		0.55 0	1	٧.
I _B	$V_{CE} = 5V, I_{E}$	= 10μΑ	11/11/11	85	250	nA
I _B	V _{CE} = 5V, I _E	= 2mA	p algement de de la lace de lace de la lace de l	10	18.5	μА
I B	$V_{CE} = 5V, I_{E}$	= 10mA		40		μА
V _{CEO}	I _C = 2mA		45			-V
VCE(sat.)	$I_C = 10mA$, I	B = 1mA			.25	V
f _T	$V_{CE} = 5V, I_{C}$	= 0.5mA		85		MHz
f _T	$V_{CE} = 5V, I_{C}$	= 10mA		300		MHz
C _b 'c	$V_{CB} = 5V, I_{E}$	= 0		2.5		pF
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